

a colorant; and

a solvent that is liquid at room temperature.

4. (Amended) The ink according to claim 1, wherein said copolymer has a glass transition point ranging from -30 through 50 °C. 5. (Amended) The ink according to claim 1, wherein said copolymer has a softening point measured by a flow tester ranging from 40 through 150°C. 2 14. (Amended) Ink comprising: 1 a copolymer particle that has a glass transition point less than or equal to 50 °C and a volume average particle diameter ranging from 0.01 through 2  $\mu m$  obtained from a radical polymeric monomer selected from the group consisting of: (a) 20 through 99 wt% of styrene and styrene derivative; and 5 (b) 10 through 80 wt% of alkyl acrylate, alkyl methacrylate and derivatives thereof; 6 a colorant; and 7 a solvent that is liquid at room temperature. 8

1 A 5

16. (Amended) An ink cart idge including a case and ink which is stored n said case and

2 B tomprises:

## Serial No. 09/492,373

3	a copolymer particle that has a glass transition point less than or equal to 50 °C and a volume
4	average particle diameter ranging from 0.01 through 2 um obtained from a radical polymeric
5	monomer selected from the group consisting of:
6	(a) 20 through 99 wt% of styrene and styrene derivative; and
7	(b) 10 through 80 wt% of alkylacrylate, alkyl methacrylate and derivatives thereof;
8	a colorant; and
9	a solvent that is liquid at room temperature.
1	17. (Amended) A recording device including a head and an ink cartridge supplying ink to
2	said head, wherein said ink comprises:
3	a copolymer particle that has a glass transition point less than or equal to 50 °C and a volume
4	average particle diameter ranging from 0.01 through 2 $\mu m$ obtained from a radical polymeric
5	monomer selected from the group consisting of:
6	(a) 20 through 99 wt% of styrene and styrene derivative; and
7	(b) 10 through 80 wt% of alkyl acrylate, alkyl methacrylate and derivatives thereof;
8	a colorant; and
9	a solvent that is liquid at room temperature.